Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (**Currently Amended**) An apparatus for facilitating clustering of speech and audio data, said apparatus comprising:

an arrangement for obtaining untrained speech and audio data as input data; and an arrangement for creating a predetermined number of non-overlapping subsets of the input data;

said arrangement for creating a predetermined number of non-overlapping subsets being adapted to split the input data recursively, wherein said arrangement for creating a predetermined number of non-overlapping subsets is adapted to determine an eigenvector decomposition relating to the input data;

said clustering being independent of any model wherein the splitting of the input data into a predetermined number of non-overlapping subsets occurs independent of model;

wherein there is no variability in the clustering due to randomness.

- 2. (**Original**) The apparatus according to Claim 1, wherein said arrangement for creating a predetermined number of non-overlapping subsets is adapted to initially split the input data into at least two sets of output data.
- 3. (**Original**) The apparatus according to Claim 2, wherein said arrangement for creating a predetermined number of non-overlapping subsets is adapted to:

split the at least two sets of output data recursively; and

repeat the recursive splitting of output data sets until the predetermined number of non-overlapping subsets is obtained.

- 4. (Cancelled) The apparatus according to Claim 2, wherein said arrangement for creating a predetermined number of non-overlapping subsets is adapted to determine an eigenvector decomposition relating to the input data.
- 5. (Currently Amended) The apparatus according to Claim [[4]] 2, wherein said arrangement for creating a predetermined number of non-overlapping subsets is adapted to determine a vector of projection coefficients onto the set of eigenvectors in the eigenvector decomposition.
- 6. (**Previously Presented**) The apparatus according to Claim 5, wherein said arrangement for creating a predetermined number of non-overlapping subsets is adapted to determine a probability distribution relating to the vector of projection coefficients.

7. (**Previously Presented**) The apparatus according to Claim 6, wherein said arrangement for creating a predetermined number of non-overlapping subsets is adapted to:

assign at least one threshold relating to the probability distribution; and yield the at least two sets of output data based on the relation to the threshold of a value associated with a function relating to the projection coefficients.

- 8. (**Original**) The apparatus according to Claim 7, wherein there are N-1 thresholds, where N is the number of sets of output data to be yielded.
- 9. (**Previously Presented**) The apparatus according to Claim 8, wherein each threshold is a value of the function relating to the projection coefficients for which the probability distribution equals m/N, where m is a number from 1 to N-1.
- 10. (**Original**) The apparatus according to Claim 1, wherein the data clustering relates to the enrollment of target speakers in a speaker verification system.
- 11. (**Currently Amended**) A method of facilitating clustering of speech and audio data, said method comprising the steps of:

obtaining untrained speech and audio data as input data; and creating a predetermined number of non-overlapping subsets of the input data;

step of creating a predetermined number of non-overlapping subsets comprising splitting the input data recursively, wherein said splitting step comprises determining an eigenvector decomposition relating to the input data;

said clustering being independent of any model wherein the splitting of the input data into a predetermined number of non-overlapping subsets occurs independent of a model;

wherein there is no variability in the clustering due to randomness.

- 12. (**Original**) The method according to Claim 11, wherein said splitting step comprises initially splitting the input data into at least two sets of output data.
- 13. (**Original**) The method according to Claim 12, wherein said splitting step comprises:

splitting the at least two sets of output data recursively; and

repeating the recursive splitting of output data sets until the predetermined number of non-overlapping subsets is obtained.

- 14. (Cancelled) The method according to Claim 12, wherein said splitting step comprises determining an eigenvector decomposition relating to the input data.
- 15. (Currently Amended) The method according to Claim [[14]] 12, wherein said splitting step further comprises determining a vector of projection coefficients onto the set of eigenvectors in the eigenvector decomposition.

- 16. (**Previously Presented**) The method according to Claim 15, wherein said splitting step further comprises determining a probability distribution relating to the vector of projection coefficients.
- 17. (**Previously Presented**) The method according to Claim16, wherein said splitting step further comprises:

assigning at least one threshold relating to the probability distribution; and yielding the at least two sets of output data based on the relation to the threshold of a value associated with a function relating to the projection coefficients.

- 18. (**Original**) The method according to Claim 17, wherein there are N-1 thresholds, where N is the number of sets of output data to be yielded.
- 19. (**Previously Presented**) The method according to Claim 18, wherein each threshold is a value of the function relating to the projection coefficients for which the probability distribution equals m/N, where m is a number from 1 to N-1.
- 20. (Currently Amended) The method according to Claim [[1]] 11, wherein the data clustering relates to the enrollment of target speakers in a speaker verification system.
- 21. (**Currently Amended**) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for facilitating clustering of speech and audio data, said method comprising the steps of:

obtaining untrained speech and audio data as input data; and

creating a predetermined number of non-overlapping subsets of the input data;

step of creating a predetermined number of non-overlapping subsets comprising splitting the input data recursively, wherein said splitting step comprises determining an eigenvector decomposition relating to the input data;

said clustering being independent of any model wherein the splitting of the input data into a predetermined number of non-overlapping subsets occurs independent of a model;

wherein there is no variability in the clustering due to randomness.